

Product datasheet for **SC207379**

LIAS (NM_006859) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	LIAS (NM_006859) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LIAS
Synonyms:	HGCLAS; HUSSY-01; LAS; LIP1; LS; PDHLD
ACCN:	NM_006859
Insert Size:	2000 bp



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Insert Sequence: >SC207379 3'UTR clone of NM_006859
 The sequence shown below is from the reference sequence of NM_006859. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGCTAAAAGAAAAACAAAAGACCTCTAAAACTTCAACAAGACCTTCAAGATCACAGAAATTTTTAAA
ATTTGATTCCAGTTAATAACAGAGGTGGTGCCAGAATGCCTGGACTGCAGTGGATGTGCCCCACCTCTT
TGCTTAAAAAATGTCAATAGCCAGGCATAGTGGCTCACGCCTGTAATCCCAGCACTTTAGGAGG
CCAAGGCGGGTGGATCACCTGAGGTGAGGATTCGAGACCAGCCTGGCCAACATGGTAAATCCTGTCT
CCACTAAAAACAAAAATAGTCAGGCGTGGTAGTGGTGCCTGTAATCCCAGCTACTCGGGAGGCTA
AGGCAGGAGAATCACTTGAACCTGGGAGGGGGAGGTTGCAGTGAGCCAAGATCGTCCATTGCCCTCCA
GCCTGGGTGACAAGAGCAAACTCCATCTCAAATAAATAAAAAAGGAAAAAAGTCAATAAACTGTACA
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TGATGTAATCTTAAAATATCTTTGTAAGATTTTCTTTTAAACATAATTTTAAAATGCATTAACAAATG
GCATGGTGGCTCACACCTATAATCCCAACATTTTGGGAGGCCAGGGCGGGTGGATCACTTGAACCCAGG
AGTTCGAGACCAGCCTGGGCAACATGATGAGACCTTATCTCTACAAAAATTAGCCAGACGTGGTGGCA
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ATGAGCTGAGGTGGTGCCACTGCTCTCCAGCCTGGGCGCTACAACCTGCTCTCCAGACTCTGTCTTAAA
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CATTCAACTTTAGCATTCACTCAACGTAGATTGAAACTCATCAGATTAGCATTGTCTTGTAAATATTG
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ACTCCATTGCTACTAAAAATAAAAAATAGCTAGGTGTGTTGGCAGGTGCCTGTAATCCAGCTACTT
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AAATCCACATGCCCTATTCCTTTCACTTCTCACATTGGTTGTATTATATGATGGTAAAGGCCTGAGAAA
GGAATTTCTTCCAAAATACTAATAACTCAGATTCATCTTTGACTGAATCCTGCCTTTCTACTTTTC
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TTGAATTTTATAACGAGCCAGTATTATAAAAGTAATGCACATCCTTGCCAGGTGTGGTGGCTCACGCC
TGTAATCCCACCCTTTGGGAGGCTGAGGCGGGTGAATCAGTTGAGCTCAGGAGTTTGGAGCTAGCCTG
GGCAACACAGTCAGACCCCATCTTACAAAAATACAAAAATAGCTGGGTGTGGTGGCACATGCT
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_006859.4](#)

Summary: The protein encoded by this gene belongs to the biotin and lipoic acid synthetases family. Localized in the mitochondrion, this iron-sulfur enzyme catalyzes the final step in the de novo pathway for the biosynthesis of lipoic acid, a potent antioxidant. The deficient expression of this enzyme has been linked to conditions such as diabetes, atherosclerosis and neonatal-onset epilepsy. Alternative splicing occurs at this locus, and several transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Aug 2020]

Locus ID: 11019

MW: 75.3